

FIG. 1

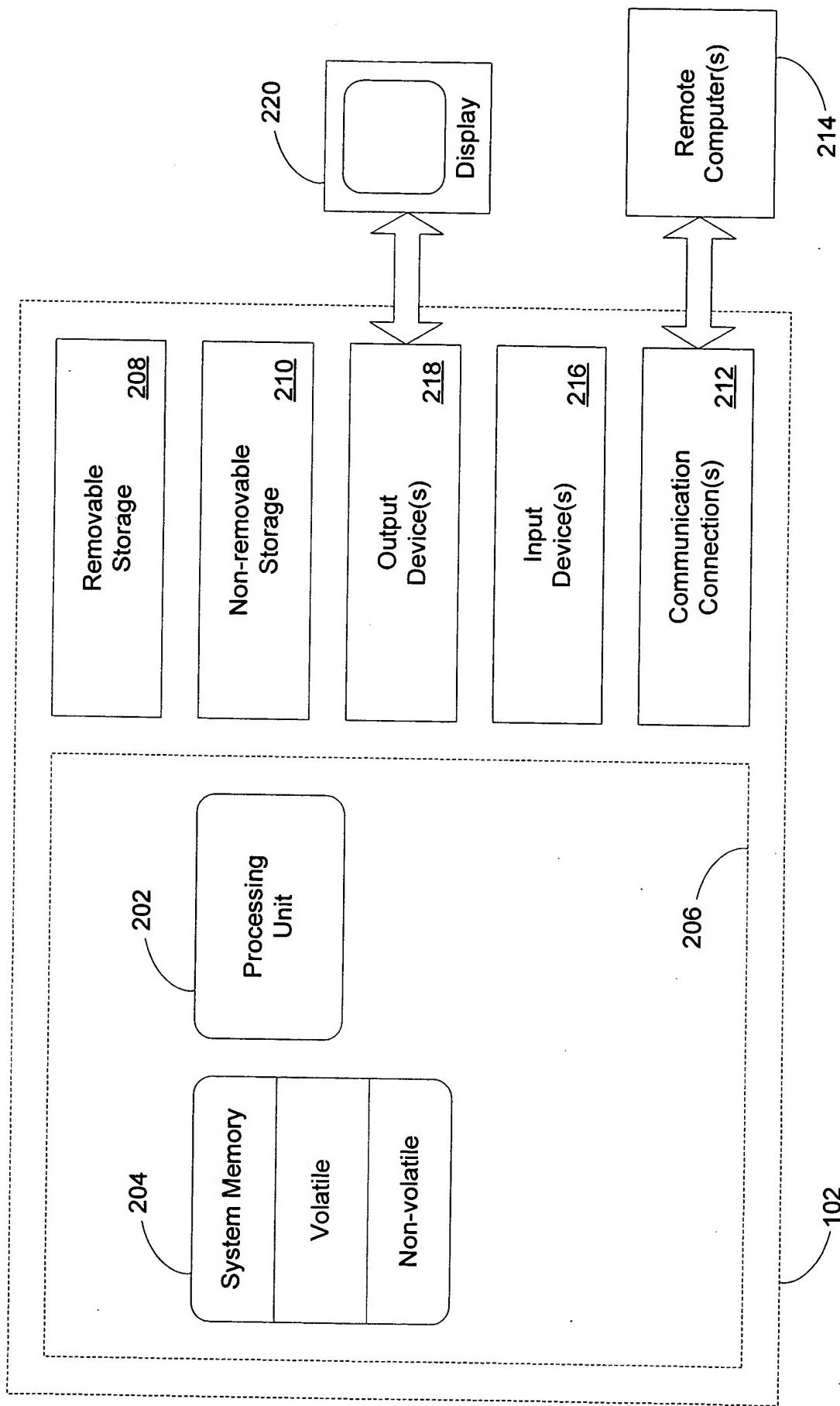


FIG. 2

FIG. 4

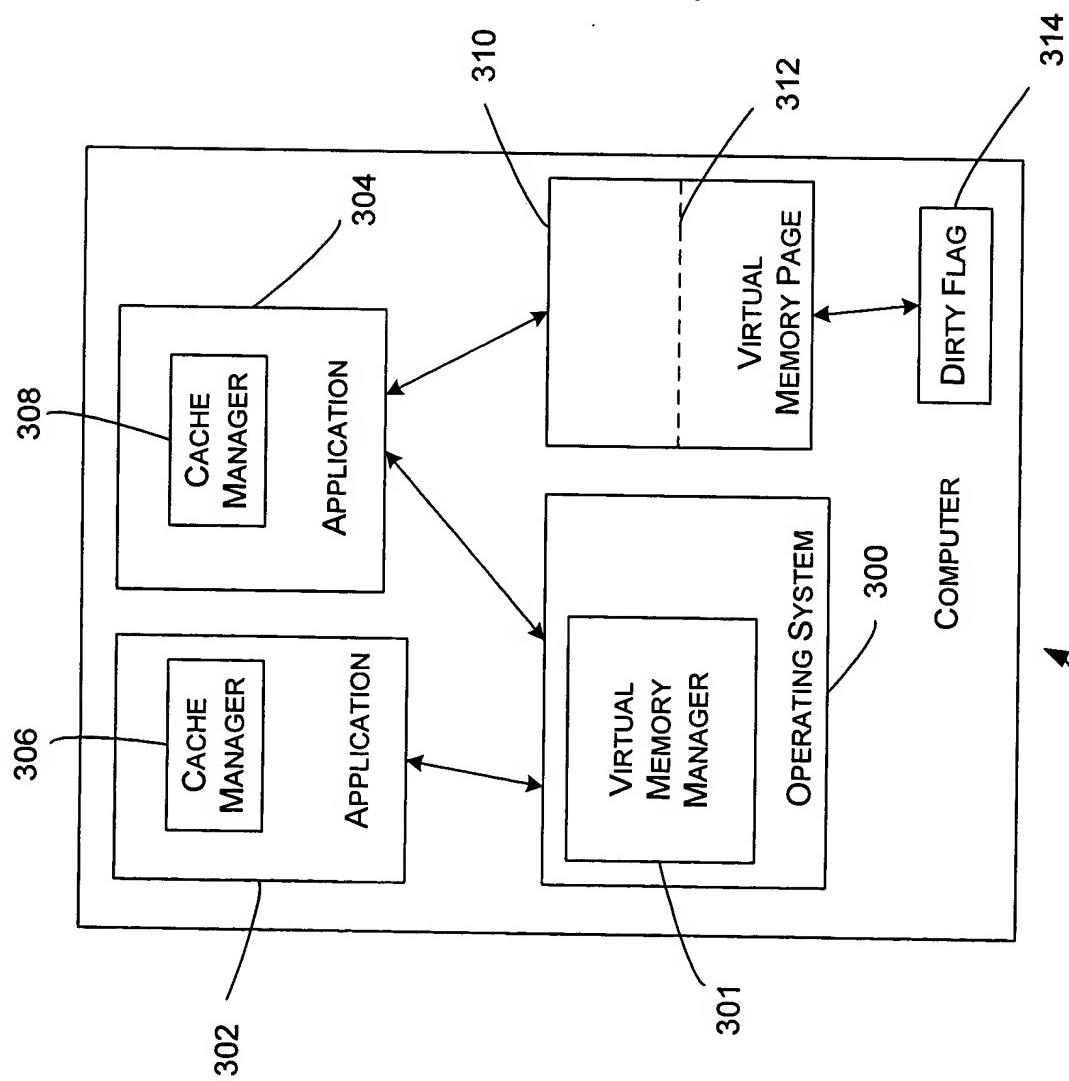
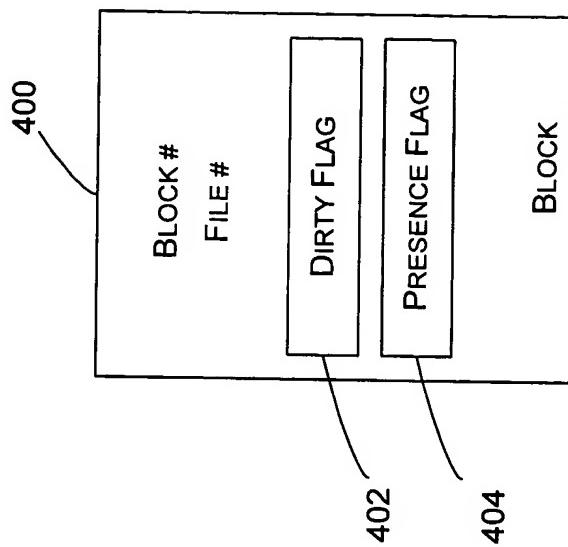


FIG. 3

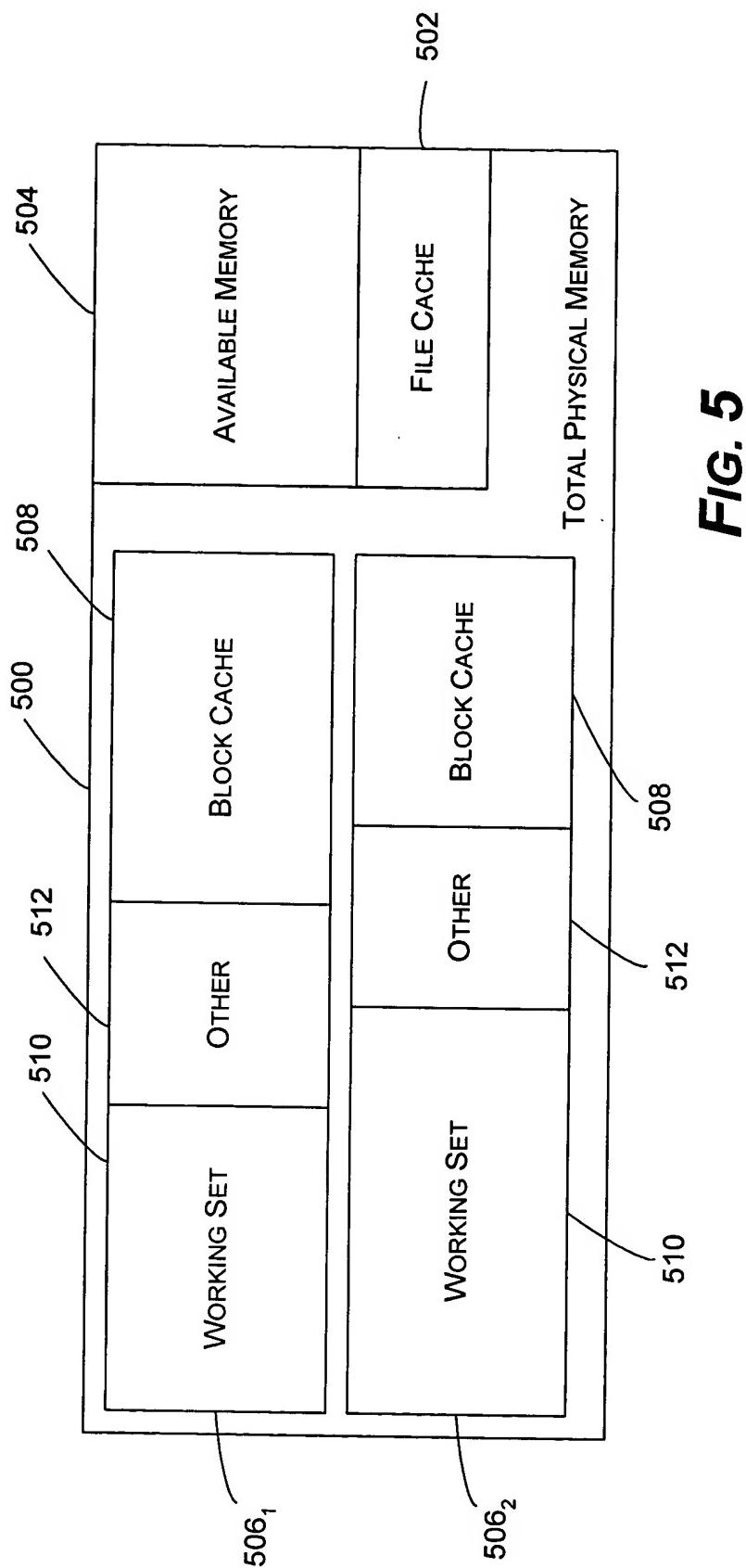
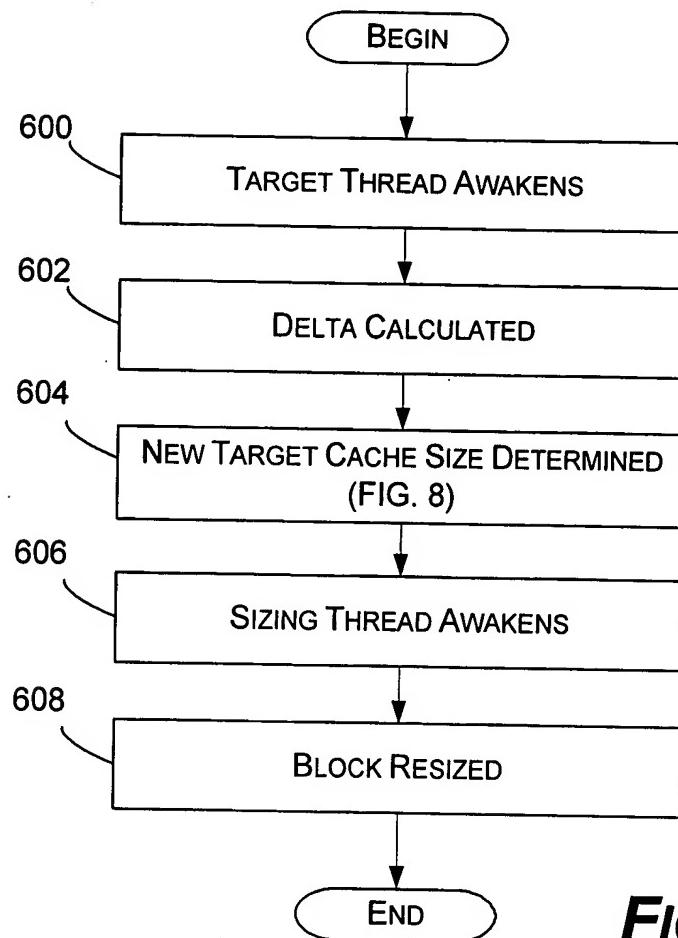
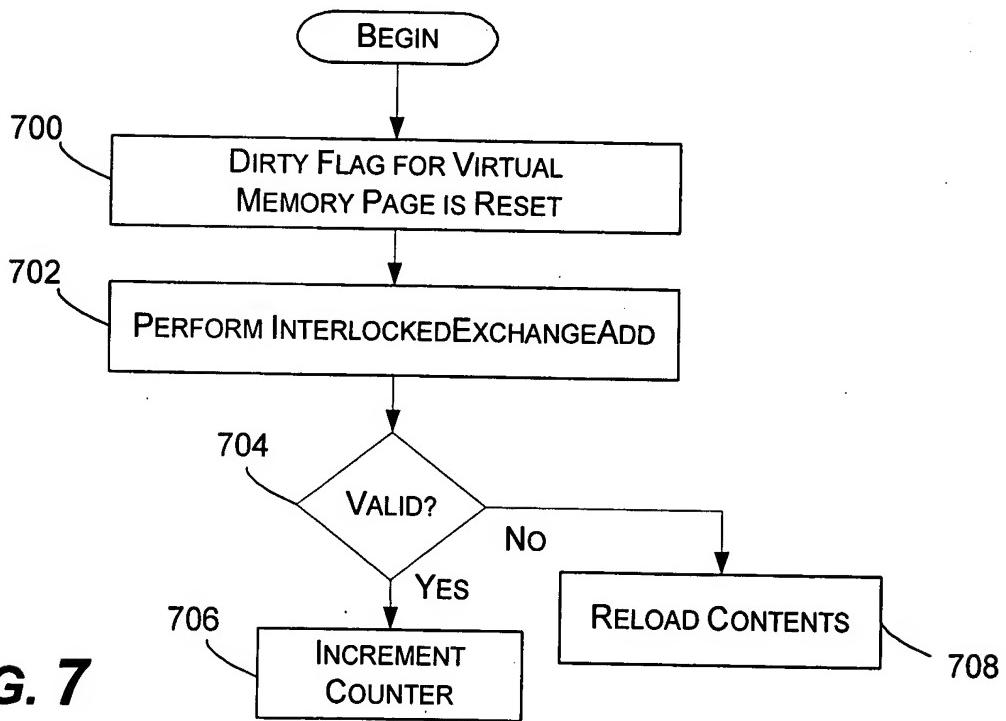


FIG. 5

**FIG. 6****FIG. 7**

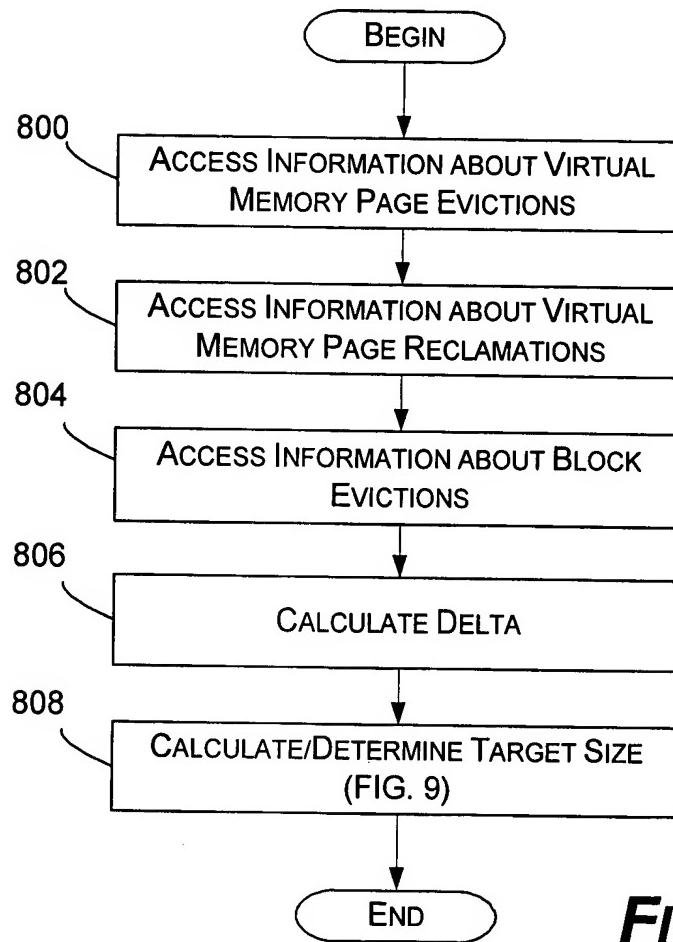


FIG. 8

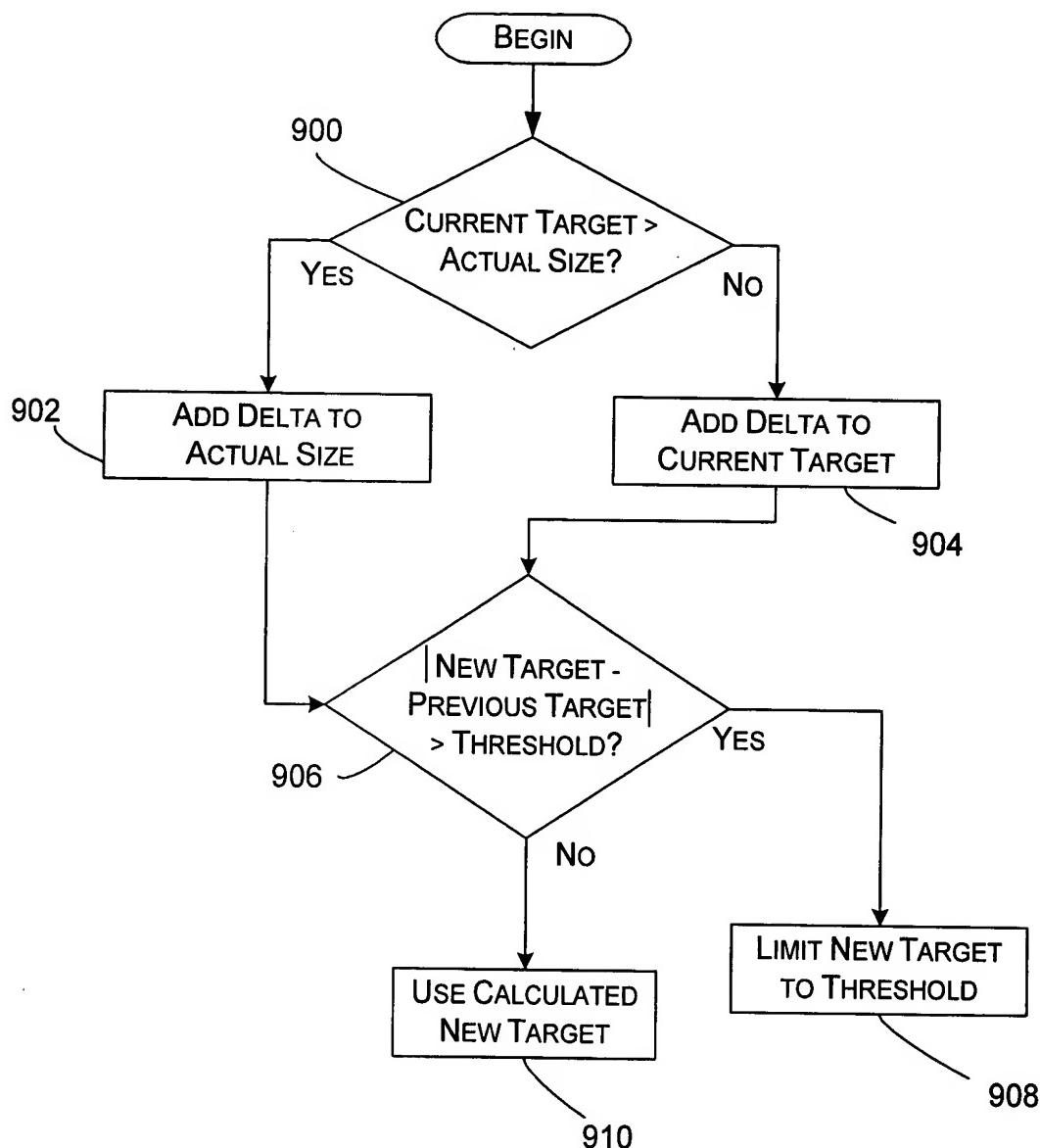


FIG. 9

$$\frac{dCM}{dt} = \frac{AM}{TM} * \frac{dBE}{dt} - \frac{CM}{TM} * \frac{dAE}{dt}$$

Where

CM = Cache Memory

AM = Available Physical Memory

TM = Total Physical Memory

BE = Block Evictions

AE = Approximated Virtual Memory Page
Evictions

t = time

FIG. 10

PRIOR ART